

3/1/2018

Print



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To
PO039087	ACI001-VC	2	1	Net 30	MT-4140QT-R0.625	AISI 4140 Quenched & Tempered Steel Round Bar 0.625" Dia. AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT				20	2/28/2018	17		S046860	Stock	3/1/2018	\$ 2.88 / ft	0		\$-
		3			MT-4140QT-R2.750	AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT				6		6		S046861	Stock	3/1/2018	\$ 37.58 / ft	0		\$2-
Total:										26		23								\$21-

Plex 3/1/2018 11:10 AM Dart Dubois Pascal



**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

**Copy** C000075651

**Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

**Instruction** F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200  
Delivery Route 5

**Page**

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ROUND 4140 HEAT TREAT 5/8 RANDOM R4140-58H-V 4977 1 X 20' R/L HEAT: 75061935	20.86	20.00	PL_\$CLB		1X 1710					
2 ROUND 4140 HEAT TREAT 2 3/4 RANDOM R4140-234H-V 4931 1 X 6' HEAT: 75067560 COUPE A LA SCIE SCIE 1	126.78	6.00	PL_\$CLB		1X 6					

Total Weight (lbs) : 147.64

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By : NM	Delivered By : NA	Time
Customer's Signature			Date 18/03/01

Total (\$CAD)



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039087

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO039087

**PO Date:** 2/22/18

**Due Date:** 2/28/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
FEB 23 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:** quotation # sou0086168

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M6061T6S1.250X14.000		6061-T6 Sheet 1.250" Thick x 14.000" Wide MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	3/2/18	8 ft	0 ft	8 ft	\$101.01375/ft	\$808.11
2	MT-4140QT-R0.625		AISI 4140 Quenched & Tempered Steel Round Bar 0.625" Dia. AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/28/18	20 ft	0 ft	20 ft	\$2.878/ft	\$57.56
3	MT-4140QT-R2.750		AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/28/18	6 ft	0 ft	6 ft	\$37.57666/ft	\$225.46
4	MT-4140QT-R3.750		AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/28/18	6.167 ft	0 ft	6 ft	\$154.44341/ft	\$952.45

**Line Item Note** please cut bar in half to heavy for receiving

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Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5	MT-4140QT-R1.000		AISI 4140 Quenched & Tempered Steel Round Bar 1.000" Dia. AISI 4140 Q&T Round Bar MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/28/18	10 ft	0 ft	10 ft	\$4.664/ft	\$46.64
							10 ft			
6	M17-4-H1150-R2.000		17-4 SS Round Bar 2.000" MATERIAL: 17-4 PH CONDITION H1150 receive ft	Firmed	3/6/18	6 ft	0 ft	6 ft	\$100.3333/ft	\$602.00
7	M17-4-H1150-R1.500		17-4 SS Round Bar 1.500" MATERIAL: 17-4 PH CONDITION H1150 receive ft	Firmed	3/9/18	7.667 ft	0 ft	8 ft	\$56.08744/ft	\$430.02
8	M1018R3.125		1018 Round Bar 3.125 MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108	Firmed	3/9/18	8 ft	0 ft	8 ft	\$60.375/ft	\$483.00
9	MT-HRS-R-2.500		Hot Rolled Steel Round Bar 2.500	Firmed	2/28/18	10 ft	0 ft	10 ft	\$13.676/ft	\$136.76
							10 ft			
Line Item Note please cut bar in half to heavy for receiving										
10	MT-A513-T-0.750W0.188		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.188" Wall	Firmed	2/28/18	20 ft	0 ft	20 ft	\$4.25/ft	\$85.00
							20 ft			
11	M6061T6R0.625		6061-T6 Round Bar .625" MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	2/28/18	40 ft	0 ft	40 ft	\$0.99625/ft	\$39.85
							40 ft			
12	M6061T6R0.563		6061-T6 Round Bar .563 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	2/28/18	96 ft	0 ft	96 ft	\$1.0897222/ft	\$104.61
							96 ft			

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
13	M6061T6R2.375		6061-T6 Round Bar 2.375" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$28.75/ft	\$115.00
14	M6061T6R3.750		6061-T6 Round Bar 3.750" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$56.25/ft	\$225.00
15	M6061T6R6.250		6061-T6 Round Bar 6.250" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$147.00/ft	\$588.00
									<b>Grand Total: \$4,899.47</b>	

## Order Notes

Procurement Quality Clauses  
 A005 right of entry  
 A012 chemical and physical test report  
 A016 personnel qualification  
 A017 raw material identification (as applicable)  
 A026 certification of material conformance  
 A041 quality management system  
 A042 dart notification by supplier  
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program  
 A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit  
[www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.



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# ACIER OUELLETTE INC.

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Quotation

SOU0086168

### Billed to

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N ** CLI0001056  
**Date** 2018/02/14  
**Revision N ** 0  
**Prices valid until** 2018/02/21  
**Your Order N **  
**Processed by** Josianne Bourdon  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ALU PLATE 1 1/4 6061-T651 RANDOM PAL-1146061-V <b>7453</b> 1 X 14" X 96" 4-5 JOURS	179.60	10.00	PI2_\$CLB	10.00	PI2		1.00	808.110	808.11
								101.0375	
ROUND 4140 HEAT TREAT 5/8 RANDOM R4140-58H-V <b>4977</b> 1 X 20' R/L 2-3 DAYS	20.86	20.00	PI_\$CLB	20.00	PI		1.00	57.560	57.56
								2.373	
ROUND 4140 HEAT TREAT 2 3/4 RANDOM R4140-234H-V <b>4931</b> 1 X 6' 2-3 DAYS COUPE A LA SCIE SCIE <b>1</b>	126.78	6.00	PI_\$CLB	6.00	PI		1.00	225.460	225.46
		1.00	UN	1.00				37.5764	
ROUND 4140 HEAT TREAT 3 3/4 RANDOM R4140-334H-V <b>4945</b> 1 X 74" 2-3 DAYS	232.86	6.00	PI_\$CLB	6.00	PI		1.00	952.400	952.40
								154.4431	
ROUND 4140 HEAT TREAT 1 RANDOM R4140-1H-V <b>4919</b> 1 X 10' STOCK COUPE A LA SCIE SCIE <b>1</b>	26.70	10.00	PI_\$CLB	10.00	PI		1.00	46.640	46.64
		1.00	UN	1.00				4.664	
ROUND 17-4 H1150 2" DIA <b>N</b> 1 X 6' 6-8 DAYS	0.00	1.00	UN	1.00	UN		1.00	602.000	602.00
								100.3333	
ROUND 17-4 H1150 1 1/2" DIA <b>N</b> 1 X 92" 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	430.000	430.00
								56.08744	
ROUND CR 1018 3 1/8" DIA <b>N</b> 1 X 8' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	483.000	483.00
								60.375	

Date :

Next Page...

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Salaberry de Valleyfield (Qu bec) J6S 5L1  
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1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

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Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N ** CLI0001056  
**Date** 2018/02/14  
**Revision N ** 0  
**Prices valid until** 2018/02/21  
**Your Order N **  
**Processed by** Josianne Bourdon  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 2

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND HR 2 1/2 RANDOM RHR-212-V <b>4866</b> 1 X 10' STOCK COUPE A LA SCIE SCIE <b>1</b>	166.90	10.00	PI_\$CLB	10.00	PI		1.00	136.760	136.76
		1.00	UN	1.00				13.674	
TUBE MEC 0.750 OD X .188 VARIE TME-0750188-V <b>6783</b> 1 X 20' R/L STOCK	22.56	20.00	PI_\$CPI	20.00	PI		1.00	85.000	85.00
								4.25	
ROUND ALU 5/8 6061-T6 RANDOM RAL-58-V <b>5169</b> 2 X 20' STOCK	14.44	40.00	PI_\$CLB	40.00	PI		2.00	19.925	39.85
								.99625	
ROUND ALU 9/16 6061-T6 RANDOM RAL-916-V <b>5180</b> 8 X 12' STOCK	28.13	96.00	PI_\$CLB	96.00	PI		8.00	13.077	104.62
								1.0897914	
ROND ALU 2 3/8" OD 6061T6 <b>N</b> 1 X 4' 3-4 DAYS	0.00	1.00	UN	1.00	UN		1.00	115.000	115.00
								28.75	
ROND ALU 3 3/4" OD 6061T6 <b>N</b> 1 X 4' 3-4 DAYS	0.00	1.00	UN	1.00	UN		1.00	225.000	225.00
								56.25	
ROND ALU 6 1/4" OD 6061T6 <b>N</b> 1 X 4' 3-4 DAYS	0.00	1.00	UN	1.00	UN		1.00	588.000	588.00
								147.00	
SURCHARGE ENERGETIQUE <b>FRAIS_ENERGETIQUE</b>			\$						3.95

**Total Weight (Lbs)** 818.83

**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by :

**Sub-total**

4 903.35

TVH-13 : 637.44

Date : **Total (\$CAD)**

**5 540.79**

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date  
25-APR-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number  
T365756

AC00005079  
PART NUMBER/NUMÉRO DE PIÈCE  
506255

SOLD TO: ACIER OUELLETTE INC  
VENDU À: 22 BOULEVARD J-F KENNEDY  
ST JEROME QC J7Y 4B6

SHIP TO: ACIER OUELLETTE INC.  
EXPÉDIÉ À: 22 BOULEVARD J F KENNEDY  
SAINT JEROME QC J7Y 4

Description: 4140/4142 HR ANN BAR ASTM A322  
5/8 RD X 20' R/L  
HEAT: 75061935

ITEM: 506255

Line Total: 426 LB

Specifications:

ASTM A322 07  
ASTM A29/A29M 11  
ASTM A322 13  
CAT 1E0024  
ASTM A322 91

ASTM A304 05  
EN 10204 3.1 04  
ASTM E112  
ASTM E381

SAE J422  
ASTM A304 11  
ASTM A255  
ASTM A304 02

CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO
0.40	0.97	0.007	0.026	0.25	0.23	0.86	0.16
CU	SN	AL	V	NB			
0.21	0.01	0.023	0.002	0.002			

RCPT: R977496

COUNTRY OF ORIGIN : USA

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ



# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date  
25-APR-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number  
T365756

AC00005079

PART NUMBER/NUMÉRO DE PIÈCE

506255

SOLD TO: ACIER OUELLETTE INC  
VENDU À:

22 BOULEVARD J-F KENNEDY  
ST JEROME QC J7Y 4B6

SHIP TO:  
EXPÉDIÉ À:

ACIER OUELLETTE INC.

22 BOULEVARD J F KENNEDY  
SAINT JEROME QC J7Y 4

Description: 4140/4142 HR ANN BAR ASTM A322  
5/8 RD X 20' R/L

Line Total: 426 LB

HEAT: 75061935 ITEM: 506255

END-QUENCH HARDENABILITY (JOMINY - RC)

1	2	3	4	5	6	7	8	9	10	12	14	16	18	20
56	56	56	56	56	56	55	54	53	51	49	47	45	44	44
24	28	32												
42	39	37												

IDEAL DIAMETER : 5.27 IN GRAIN SIZE : 5 - 8

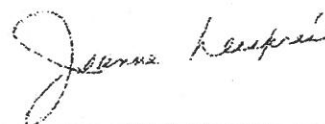
STRAND CAST REDUCTION RATIO 221.8 TO 1  
MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
MACRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF COMPLIANCE / CERTIFICAT DE CONFORMITÉ

Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE
Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE
<b>AC00010380</b>	<b>LES ACIERS OUELLETTE INC</b>	<b>L27508-01</b>	<b>23-10-17</b>
MATERIAL ID# / No. MATÉRIEL	GRADE / NUANCE	HEAT TREATMENT / TRAITEMENT THERMIQUE	HEAT / COUÉE
<b>2017-2099</b>	<b>AISI 4140</b>	<b>Q.T.S.R / TREMPÉ REVENU - RECUIT DE DÉTENTE (RONDS)</b>	<b>75067560</b>
SHAPE / FORME	SIZE / DIMENSION	SPECIFICATIONS	
<b>Round / Rond</b>	<b>2.750"</b> in.	<b>ASTM A193/193M-01, A434-90a-BC</b>	
PAYS D'ORIGINE:	U.S.A.		

## CHEMICAL COMPOSITION / ANALYSE CHIMIQUE

	Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
mini/maxi	0.380 0.430	0.150 0.350	0.750 1.000	0.035
actuel (%):	0.420	0.250	0.820	0.012
	Sulfur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
mini/maxi	0.040	0.800 1.100	0.000 0.250	0.150 0.250
actuel (%):	0.021	1.000	0.140	0.160
	Copper (Cu)	Vanadium (V)	Aluminium (Al)	Tungsten (T)
mini/maxi	0.350	— —	— —	— —
actuel (%):	0.240	0.004	0.021	0.000

## MECHANICAL PROPERTIES / PROPRIÉTÉS MÉCANIQUES

Yield strength / Élasticité	Tensile / résistance à la traction	Elongation / allongement (%)	Reduction of area / surface (%)	Hd/dure surface
<b>102,000</b>	<b>126,800</b>	<b>22.0%</b>	<b>64.0%</b>	<b>292 BHN</b>

No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentioned specifications. Material is Mercury free, without radioactivity.

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications. Pas de contact au Mercure, sans radioactivité.

*Keith BALL - Branch Manager*

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140QT-R0.625  
 DATE: MAR 01 2018

PO / BATCH NO.: 039087/5046860

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 17  
 QUANTITY INSPECTED: 17  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625  
 THICKNESS RECEIVED: 0.625  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	<u>Astin A29</u>
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	<u>Heat # 75061935</u>
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u>		SIGNED OFF BY: _____	
DATE: <u>9-89 MAR 01 2018</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-790	17.12.13	VM	ML
B	MIN & MAX Rc-CHANGED	18-523	18.01.24	VM	ML
C	ADD AISI 4142	18-544	18.02.14	ML	ML

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL BAR  
MINIMUM ROCKWELL C = 28 Rc  
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626, MIL-S-24093

PART NUMBER: MT-4140-B-[L.TTT] x [W.WWWW]  
WHERE "L.TTT" = THICKNESS IN INCHES  
WHERE "W.WWWW" = WIDTH IN INCHES  
EX. 4.0" x 6.0" BAR = MT-4140-B-4.000x6.000

 <b>PART</b> Aerospace		NUMBER: 0100, 0100	
		TITLE <b>AISI 4140 / 4142 STEEL BAR</b>	
PART NO.	REV		
MT-4140-B	C		
TOOL NO. INITIALS AND DATE DESIGNED BY: VM 12/13/2017 DRAWN BY: ML 02/14/2018 CHECKED BY: VM 02/14/2018 APPROVED BY: ML 02/14/2018			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS ARE GIVEN AFTER FINISHING TOLERANCES: FRACTIONS ± .005 DECIMALS ± .01 ANGLES ± .5° SURFACE FINISH: UNLESS OTHERWISE SPECIFIED, ALL SURFACES SHALL BE FINISHED TO A MAXIMUM RUGHNESS OF 1.0 MICRONS. SCALE: 1" = 1"			
THE TOOLING IS PROVIDED AND CONTROL AND IS SUBJECT TO THE CONTROL CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OTHER APPLICATION WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140GT-R2.750  
 DATE: MAR 01 2018

PO / BATCH NO: 039087/5046861

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 6'  
 QUANTITY INSPECTED: 6'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.750  
 THICKNESS RECEIVED: 2.750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	
CORRECT THICKNESS	(Y)	N	ASTM A193
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 75067560
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>9-8 MAR 01 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

**DART**

DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. M4140H-R	REV. A SHEET 1 OF 1
DATE 05.02.21		TITLE 4140 ROUND BAR	SCALE 1:1
A	05.02.21	NEW ISSUE	

PURCHASE MATERIAL: AISI 4140H ROUND BAR

PER AISI 4140 OR ASTM A304-02 / -A-434-BC /

PD

-A193-03 GRADE-B7 / -A29-03 / -A322-91 OR

UNS# - G41400

MINIMUM ULTIMATE TENSILE STRENGTH = 100 ksi

MINIMUM YIELD TENSILE STRENGTH = 66 ksi

PART NUMBER: M4140H-R | D.DDD | WHERE D.DDD = DIAMETER IN INCHES  
DIA.

EG. 7/8" ROUND BAR = M4140H-R0.875

RELEASED  
05 03 25 #

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